

CLAIMS

1. Plastic bottles which are characterized in that: they are composed of neck, shoulder, body and bottom; the cross-sectional shape at the body is a regular polygon, the number of angles of which is an even number of not less than 4 nor more than 32; each angle of the polygon is rounded off by an arc whose radius is not longer than half the radius of a circle circumscribed about the cross-sectional shape at body; cross-sectional shapes have the same shape at any portion of body; circles circumscribed about the cross-sectional shapes are identical with one another; the circumscribed circles have a center on the vertical central axis of body; and the cross-sectional shape of body rotates around said central axis in proportion to height along said central axis.
2. Plastic bottles of Claim 1 wherein cross-sectional shape at body rotates, the relation between rotation angle and height being $1^\circ/\text{mm}$ or less.
3. Plastic bottles of Claim 1 or 2 wherein cross-sectional shape at body rotates to make a rotation angle of $360^\circ/\text{the number of angles in the polygon}$.
4. Plastic bottles of any of Claims 1 to 3 wherein also cross-sectional shape at shoulder is a polygon whose angles are each rounded off by an arc, and wherein the cross-sectional shape is not rotated.
5. Plastic bottles of any of Claims 1 to 4 which are made from polyethylene terephthalate, and have been molded by biaxial stretch blow-molding.